



ADDENDUM NO. 3

Dated: August 6, 2013

GREENWAY STORMWATER PARK

Except as may be otherwise described, bidding requirements, materials, and workmanship for the work described herein shall conform to all requirements of the original Contract Documents. The following Addendum to the drawings and specifications are made a part of the project and takes precedence over the section of the specifications, in part, and/or drawings, as originally written.

This Addendum consists of three (3) pages and one (1) detail.

<u>ITEM NO.</u>	<u>DESCRIPTION</u>
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1.	FRONT-END; Bid Form; Page 1.3-9; Item #17
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Revise: Description to read “12” Drain Basin with Round Domed Grate (with 12” Invert height, 6” Outlet, & Sump Fill)

2.	DESCRIPTION OF ITEMS; Page DOI – 4; Bid Item No. 17
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Revise in its entirety to read:

Bid Item No. 17 – 12” Drain Basin with Round Domed Grate (with 12” Invert Height, 6” Outlet, & Sump Fill)

Payment for this item will be based on the number of EACH drain basin. The contract unit price shall include full compensation for all labor, material, and equipment for the complete installation of the drain basin and grate including excavation, stone bedding, base preparation, care and protection of existing utilities and structures, backfilling and compaction, and incidentals in accordance with the contract drawings and specifications.

3.	SPECIFICATIONS; Section 334100 Storm Drainage; Page 334100-3
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Add the following:

2.7 Drain Basin with Round Domed Grate

Provide custom drain basin with 12” Invert Height and single 6” outlet stub. Approved products include Nyloplast with sump insert or HARCO with Type A-3 concrete sump fill to outlet invert or approved equal.



City of **Norfolk**

Drain basins shall be manufactured from PVC pipe stock utilizing a thermo-molding process to ensure a consistent watertight seal throughout the structure and its outlet stubs. The raw material used to manufacture this PVC pipe stock shall conform to ASTM D1784 cell class 12454.

The outlet stubs for drainage basins shall also be manufactured from PVC pipe stock utilizing a thermo-molding process to ensure a tight pipe-to-structure fit, so that when utilizing the appropriate pipe gaskets, the pipe-to-structure connection can meet or exceed the pressure requirements of the ASTM D3212 standard for pipe connections of plastic drainage pipe and sewer pipe using flexible elastomeric seals. The flexible elastomeric seals utilized to connect to the drainage basin shall conform to ASTM F477.

The ductile iron castings utilized with drain basins are to be considered an integral part of these surface drainage inlet structures and shall be furnished by drain basin manufacturer or approved equal.

The ductile iron grates and frames shall be specifically designed to fit drainage basins. Ductile iron grates and frames shall be rated light duty for landscape or other non-traffic areas. Ductile iron castings shall be manufactured from metal conforming to ASTM A536 grade 80-55-06 for ductile iron. The ductile iron grates and frames shall be painted black.

4. SPECIFICATIONS; Section 334100 Storm Drainage; Page 334100-4

Add the following:

3.7. Drain Basin Installation

Drainage basins shall be installed using accepted plastic pipe backfill materials and procedures as referenced in ASTM D2321. The bedding and backfill material shall be crushed stone or other acceptable material meeting the requirements of class 2 material as defined in ASTM D2321. Bedding and backfill material for drainage basins shall be placed and compacted uniformly in accordance with ASTM D2321. For other installation considerations including soft foundations, migration of fines, and ground water refer to ASTM D2321 guidelines.

5. DRAWINGS; Sheets C401 & C402

Delete: Nyloplast or Approved Equal 12" Circular Grate as follows:

Replace with: 12" Drain Basin with Round Domed Grate (with 12" Invert Height, 6" Outlet, & Sump Fill)



City of Norfolk

6. **Clarification:** Invert adjustments to drain basins and resulting elevation and length changes to the associated pipes will be handled as a field modification with the successful bidder. Please bid using quantities on Schedule of Unit Prices form.
7. **DRAWINGS; Sheet C603**

Replace: The SEWER AND DRAIN ELBOW/TEE W/CORR. PIPE AND ATRIUM GR. detail with the attached detail.

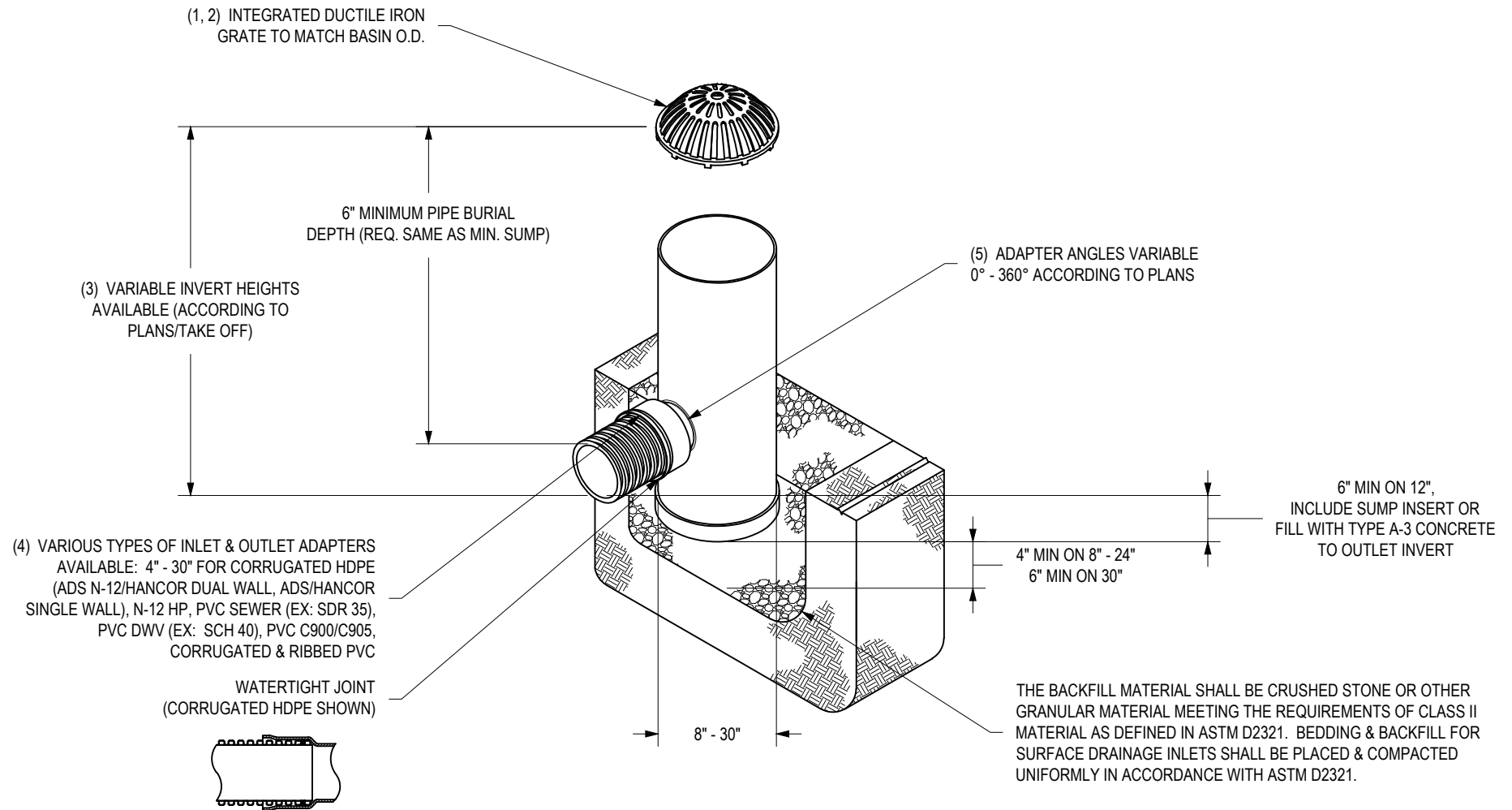
Receipt of this addendum shall be acknowledged on page 1.3-1 of the Bid Form

Issued by: Toni Fralich
Contract Monitoring Specialist

Rick Lobko
Project Coordinator

Liz Scheessele, P.E.
Timmons Group

12" DRAIN BASIN WITH DOME GRATE



- 1 - 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- 2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.
- 3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (4" - 24").
- 4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°.
- 5 - 8" - 30" DOME GRATES HAVE NO LOAD RATING.

TITLE

**DRAIN BASIN WITH
DOME GRATE DETAIL**